

ABSTRACT

There is provided a coating liquid for forming a colored transparent conductive film using ruthenium in a fine particle form, which has a satisfactory
5 electromagnetic wave shielding effect, which is excellent in transparency, chemical resistance, and abrasion resistance, and which achieves a neutral transmitted color tone. There are provided a substrate with the colored transparent conductive film and a method for its
10 production, and a display device having the substrate as a front panel.

A coating liquid for forming a colored transparent conductive film is one characterized by containing noble metal-supporting ruthenium in a fine particle form
15 wherein a noble metal except for ruthenium is supported in a fine particle form on ruthenium. A method for making the noble metal supported in the fine particle form is a method of adding a reducing agent into a dispersing liquid containing ruthenium particles and then
20 adding thereinto a solvent containing a compound of a noble metal.